

REMARKS

Claim 1 has been rewritten to overcome the objections thereto. The specification has been amended to overcome the objection to the disclosure.

Claims 1 and 4 were rejected under 35 U.S.C. §102(e) as being anticipated by Gresko, U.S. Patent No. 6,054,905. Claim 3 was rejected under 35 U.S.C. §103(a) as being unpatentable over Gresko and Schwager et al., U.S. Patent No. 4,347,403.

A two-way CATV system according to amended claim 1 of the present invention comprises at least one bidirectional amplifier, (TBA, BA, or EA in Fig. 1), bias voltage superposing means, (PSC in Fig. 3), and bias current adjusting load means, (Rb in Fig. 3).

The at least one bidirectional amplifier is provided on a CATV transmission path for connecting a CATV center station to a subscriber home.

The bias voltage superposing means (PSC) superposes, with a bias voltage within a bidirectional amplifier, (BA or EA in Fig. 3), at the terminal of the at least one bidirectional amplifier, a downstream signal transmitted along a coaxial transmission path, (TOL in Fig. 3), subordinate to the bidirectional amplifier, (BA or EA), at the terminal.

The bias current adjusting load means (Rb) is provided at the end of the coaxial transmission path, (TOL), for setting the bias current corresponding to an application of the bias voltage superposed by the bias voltage superposing means, (PSC), and for causing a uniform current to flow on the coaxial transmission path, (TOL).

The present invention according to amended claim 3 or 4 has essentially the above-discussed features of the present invention.

Neither of the cited references, Gresko nor Schwager et al., disclose or teach the features of the present invention.

Specifically, a cable power inserter, (17, 53, 55 in Figs. 1-5), in Gresko superposes, with a bias voltage at the position of a coaxial cable, (23 in Figs. 1, 3), between bidirectional amplifiers, (CATV amplifiers 19 in Figs. 1, 3), an RF signal transmitted along the coaxial cable.

In the power inserter, (55), provided between the bidirectional amplifiers, a low pass filter, (79/89), has inductors and capacitors. The low pass filter performs an AC/DC power passing function. However, the filter does not perform a bias current adjusting load function similar to the bias current adjusting load means, (Rb), in a feature of the present invention.

Thus, the present invention, in the bias voltage superposing means and the bias current adjusting load means, and further in the relationship between them, is distinguishable from the cited references.

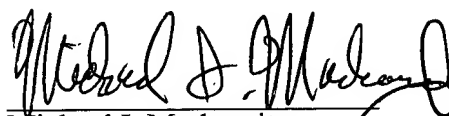
CLOSING

An earnest effort has been made to be fully responsive to the Examiner's objections. In view of the above amendments and remarks, it is believed that independent claim 1 is in condition for allowance, as well as claims 3 and 4 dependent therefrom. Passage of this case to allowance is earnestly solicited.

However, if for any reason the Examiner should consider this application not to be in condition for allowance, he is respectfully requested to telephone the undersigned attorney at the number listed below prior to issuing a further Action.

Any fee due with this paper, not fully covered by an enclosed check, may be charged on
Deposit Account 50-1290.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Michael I. Markowitz". The signature is fluid and cursive, with a long, sweeping underline that extends to the right.

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